

83-729827/32 BENCKISER-KNAPSACK 30.01.82-DE-203074 (04.08.83) C14c-01	A97 D18 Leather mfr. with limed leather pretreatment before tanning - first with polymer of carboxyl gp.-cong. monomer, then with aldehyde	BENC 30.01.82 •DE 3203-074-A	A(4-F4B, 12-B6) D(7-B) least 2 COOH gps. and consist esp. of polyacrylic acid. (B) can be mono-, di- and /or polyaldehydes, esp. HCHO and/or glutaric dialdehyde, in amts. of 0.1-2 (0.5-1) wt.% w./ hide. Treatment with (A) can take place without a liquor. (B) is pref. added in short liquors. Subsequent tanning can take place in the same bath with the addn. of mineral acids and mineral acid salts. For mineral tanning along, the pH can be set by mineral acid addn. Vegetable tanning can follow in the presence of Ca salts.	Ø 56
C8 3-074540	Leather is prep. by tanning limed opt. enzymatically drenched hide. Novelty comprises (a) pre-treatment, before tanning, with polymers, (A), of COOH gp-contg. cpds., (b) further treatment with aldehyde gp-contg. cpds., (B), and (c) subsequent tanning with vegetable or mineral tanning agents.		<u>EXAMPLE</u> Lined cowhide neck was split to 2.4 mm, rinsed and divided into 2 portions. One half of neck in 100% water at 30°C was admixed with 3.5% polyacrylic acid, mol. wt. 1000-15000. 2% polyaldehyde were added after milling, further milling, setting bath pH 3.9 and vegetable tanning. After tanning for 2 hrs., the leather had tensile strength 118 kg/cm ² , and bursting pressure 36 kg/cm ² as opposed to 78- and 19 kg/cm ² respectively for standard delimed control half.(12pp200DwgNo0/0).	
	<u>ADVANTAGE/USE</u> On dilution to standard bath dilution of 150%, N-content falls to 50-60 mg/l whereby waste water loading with N is reduced. The resulting hides can be further processed without limits. Leather tensile strength and bursting pressure are at least 1.5 times higher than those of similarly tanned leather, allowing prod. use as 'technical leather', e.g. in safety shoe mfr.		<u>DETAILS</u> (A) amt. is pref. 0.1-5 (0.5-3.5) wt.% w.r.t. hide. (A) pref. have mol. wt. 150-50000 (1000-15000). contain at	DE3203074

1
BEST AVAILABLE COPY